

Patent Abstracts of Japan

PUBLICATION NUMBER : 10066377
PUBLICATION DATE : 06-03-98

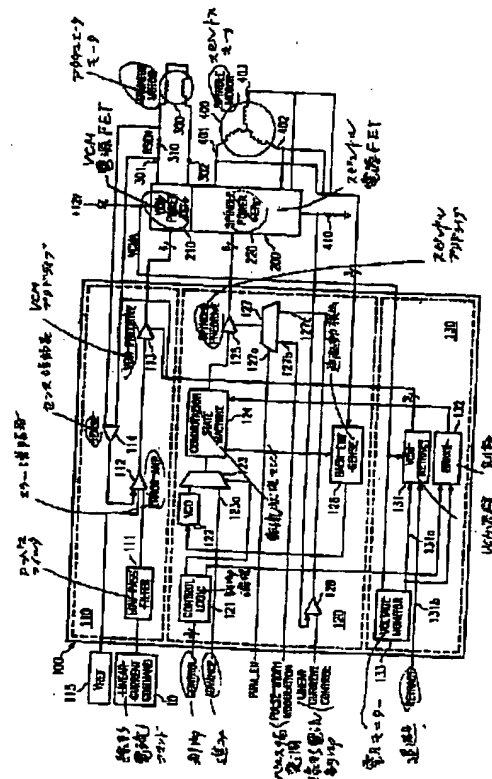
APPLICATION DATE : 11-06-97
APPLICATION NUMBER : 09154047

APPLICANT : TEXAS INSTR INC <TI>;

INVENTOR : CHLOUPEK JAMES E;

INT.CL. : H02P 7/00 H02P 5/41

TITLE : DEVICE AND METHOD FOR DRIVING
SPINDLE MOTOR OF HARD DISK
DRIVE



ABSTRACT : PROBLEM TO BE SOLVED: To enable a pulse width modulating system and a linear current control system to selectively use a single comprehensive chip by generating a spindle motor control signal from a spindle control block 120 upon receiving the output signal of a multiplexer which selects a pulse width modulating signal or a current control signal as its own output signal.

SOLUTION: A spindle control block 120 can control the driving current of a spindle motor 400 by performing either pulse width modulation or linear current control. A multiplexer 127 receives a select signal for deciding whether the pulse width modulation or linear current control is to be utilized through one 127a of its input ports and a pulse width modulating signal through another input port 127c and supplies the input type selected by means of the inputted select signal to a spindle driver 125. The driver 125 generates a control signal to the motor 400 upon receiving the output signal of the multiplexer 127.

COPYRIGHT: (C)1998,JPO